

## WEST

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L4: Entry 1 of 1

File: USPT

May 12, 1998

US-PAT-NO: 5750611

DOCUMENT-IDENTIFIER: US 5750611 A

TITLE: Thermoplastic composition having adsorption agent to reduce offensive odors and flavors

DATE-ISSUED: May 12, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Trouilhet, Yves	Geneva			CHX

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
E. I. du Pont de Nemours and Company	Wilmington	DE			02	

APPL-NO: 8/ 676237 [PALM]

DATE FILED: July 17, 1996

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
EP	94200102	January 19, 1994

## PCT-DATA:

APPL-NO	DATE-FILED	PUB-NO	PUB-DATE	371-DATE	102(E)-DATE
PCT/US95/00207	January 17, 1995	WO95/20624	Aug 3, 1995	Jul 17, 1996	Jul 17, 1996

INT-CL: [6] C08 J 5/10, C08 K 3/34, C08 L 23/04

US-CL-ISSUED: 524/450; 523/102, 524/442, 524/444, 524/445, 524/447, 524/448

US-CL-CURRENT: 524/450; 523/102, 524/442, 524/444, 524/445, 524/447, 524/448

FIELD-OF-SEARCH: 523/102, 524/442, 524/444, 524/430, 524/492, 524/493, 524/494, 524/437, 524/445, 524/450, 524/447, 524/448

## PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4095031</u>	June 1978	Engle	526/1
<input type="checkbox"/>	<u>4761437</u>	August 1988	Christie	523/102
<input type="checkbox"/>	<u>4795482</u>	January 1989	Gioffre et al.	55/75
<input type="checkbox"/>	<u>5013335</u>	May 1991	Marcus	55/70
<input type="checkbox"/>	<u>5211870</u>	May 1993	Gilbert et al.	252/120
<input type="checkbox"/>	<u>5254337</u>	October 1993	Marcus et al.	424/76.1

ART-UNIT: 151

PRIMARY-EXAMINER: Jagannathan; Vasu

ASSISTANT-EXAMINER: Rajguru; U. K.

ABSTRACT:

Odors and flavors in thermoplastic films and shaped articles may be reduced or eliminated by the addition of an adsorption agent to the thermoplastic. Thermoplastics include ethylene/acid copolymers and corresponding ionomers, and ethylene/acid/acrylate terpolymers and corresponding ionomers. The adsorption agent is a crystalline siliceous molecular sieve, having a framework of tetrahedral oxide units, in which at least 90% of the tetrahedral oxide units are SiO tetrahedra, a pore diameter greater than 5.5 Angstroms and a sorption capacity for water of less than 10% by weight at 25.degree. C. and 4.6 torr.

9 Claims, 0 Drawing figures